UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 OR 15 (d) of The Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): August 16, 2022

OCUGEN, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware (State or Other Jurisdiction of Incorporation)

001-36751 (Commission File Number)

04-3522315 (I.R.S. Employer Identification Number)

11 Great Valley Parkway Malvern, Pennsylvania 19355 (484) 328-4701

(Address, including zip code, and telephone number, including area code, of principal executive office)

N/A (Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a–12 under the Exchange Act (17 CFR 240.14a–12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:						
Title of each class	Trading Symbol(s)	Name of each exchange on which registered				
Common Stock, \$0.01 par value per share	OCGN	The Nasdaq Stock Market LLC (The Nasdaq Capital Market)				

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company \Box

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 8.01 Other Events.

Attached as Exhibit 99.1 hereto and incorporated herein by reference is a presentation that Ocugen, Inc. may use from time to time in presentations or discussions with investors, analysts, and other parties.

Item 9.01 Financial Statements and Exhibits.

The following exhibits are being filed herewith:

(d) Exhibits

Exhibit No.

Exhibit No.	Document
99.1	Ocugen, Inc. Presentation.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document).

SIGNATURE

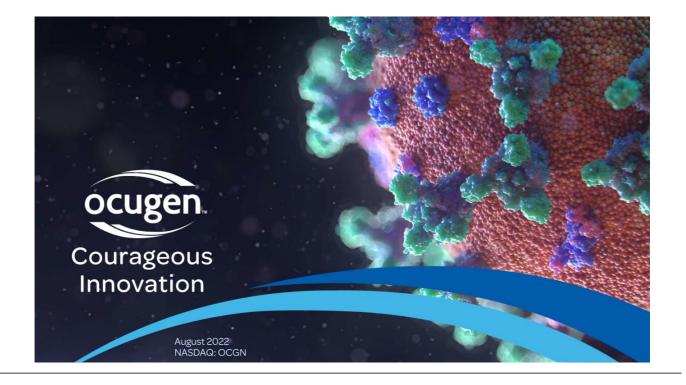
Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: August 16, 2022

OCUGEN, INC.

By: /s

/s/ Shankar Musunuri Name: Shankar Musunuri Title: Chief Executive Officer and Chairman



Forward Looking Statements

This presentation contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995, which are based on the beliefs and assumptions of Ocugen, Inc. and on information currently available to management. All statements contained in this presentation other than statements of historical fact are forwardlooking statements. We may, in some cases, use terms such as "predicts," "believes," "potential," "proposed," "continue," "estimates," "anticipates," "expects," "plans," "intends," "may," "could," "might," "will," "should," or other words that convey uncertainty of future events or outcomes to identify these forward-looking statements. Such statements are subject to numerous important factors, risks, and uncertainties that may cause actual events or results to differ materially from our current expectations. These and other risks and uncertainties are more fully described in our periodic filings with the Securities and Exchange Commission (SEC), including the risk factors described in the section entitled "Risk Factors" in the quarterly and annual reports that we file with the SEC. Forwardlooking statements that we make in this presentation are based on a combination of facts and factors currently known to us and speak only as of the date of this presentation. Except as required by law, we assume no obligation to update forward-looking statements contained in this presentation whether as a result of new information, future events, or otherwise, after the date of this presentation.



We're Here to Make an Impact Through Courageous Innovation

Mission: At Ocugen, we are developing novel solutions to medical challenges, approaching healthcare innovation with purpose and agility to deliver new options for people facing serious disease and conditions

Pioneering a breakthrough modifier gene therapy for several vision impairment diseases

Co-developing a COVID-19 vaccine



Innovating a novel biologic to treat eye diseases that can lead to vision loss for millions of people

Creating a restorative cell therapy (RCT) platform to treat serious conditions like articular cartilage lesions



Pipeline Overview

	Asset/Program	M Indication	
Vaccine	COVAXIN™ (BBV152) SARS-CoV-2 virus	COVID-19	EUA for adults in Mexico; EUA for 2 to 18-year-olds pending* U.S. Phase 2/3 Immuno-bridging and broadening clinical trial in-progress Health Canada NDS under review*
Cell therapy	NeoCart® (Autologous chondrocyte- derived neocartilage)	Treatment of Articular Cartilage Defects in the Knee	U.S. Regenerative Medicine Advance Therapy (RMAT) designation; Phase 3 clinical trial under development
Modifier Gene Therapy Platform		Gene mutation-associated retinal degeneration**	
	OCU400 *** AAV-hNR2E3	NR2E3 Mutation	Phase 1/2
		RHO Mutation	Phase 1/2
		CEP290 Mutation	To be submitted
	OCU410 AAV-hRORA	Dry Age-Related Macular Degeneration (Dry AMD)**	Preclinical
Novel Biologic	OCU200 Transferrin – Tumstatin	Diabetic Macular Edema	Preclinical
		Diabetic Retinopathy	Preclinical
		Wet Age-Related Macular Degeneration (Wet AMD)	Preclinical

https://www.aao.org/eye-health/dis es/retinitis-pigmentosa-treatment | https://www.aao.org/eye-health/diseases/amd-trea

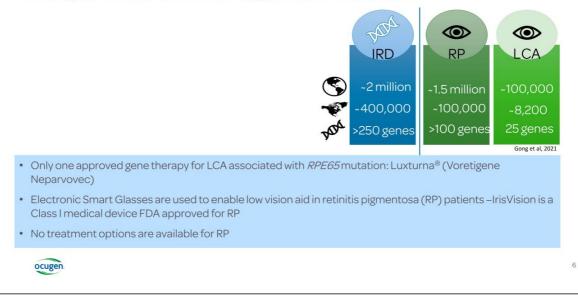
MODIFIER GENE THERAPY PLATFORM

Breakthrough technology designed to address many rare diseases as well as complex diseases that affect millions

ocugen

Prevalence of IRDs and Associated Genes

Heterogeneous disease with many gene mutations involved



Our Vision: Inherited Retinal Diseases Modifier Gene Therapy vs Traditional Gene Augmentation

Gene Augmentation: Tran target cells	cell cell GENE X rctioning gene X	cell GENEX	of many genes/gene networ Modifier gene M Cell GENEX	signed to introduce a function ks, and regulate basic biologica cell GENEM GENEM Cell GENEM	
Traditional Gene Therapy	ONE Disease		OCU400	NR2E3 Mutation-Associated Retina Rhodopsin Mutation-Associated Ret CEP290 Mutation-Associated Reti	etinal Disease Broad <i>Spectrum</i> <i>Therapy for</i> po
Traditional approach that targets one individual gene mutation at a time	Regulatory pathway focused on specific product for one disease	Longer time to recoup development costs	Novel approach that targets nuclear hormone genes (NHRs), which regulate multiple functions within the retina	Smoother regulatory pathway due to ability to target multiple diseases with one product	 Ability to recoup development costs over multiple therapeutic indications
ocugen					_

Our Focus: Nuclear Hormone Receptor Genes (NHRs)

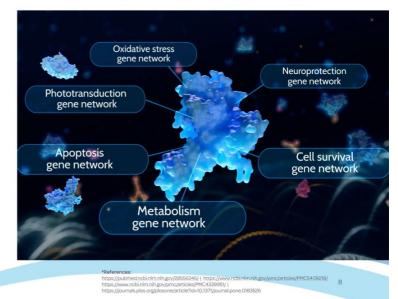
NHRs in the retina are modulators of retinal development & function, acting as "master genes" in the retina

Molecular reset of key transcription factors and associated gene networks – retinal homeostasis

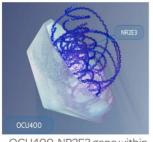


Gene modifier concept, including its impact on clinical phenotypes, is well known in other disease areas, such as cystic fibrosis and spinal muscular atrophy





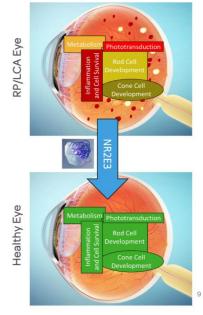
Ocugen's Modifier Gene Therapy Regulates Gene Networks



OCU400, NR2E3 gene within the AAV5 capsid

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NR2E3 modifier gene therapy to restore retinal homeostasis



Proof of Principle: Published in Nature Gene Therapy



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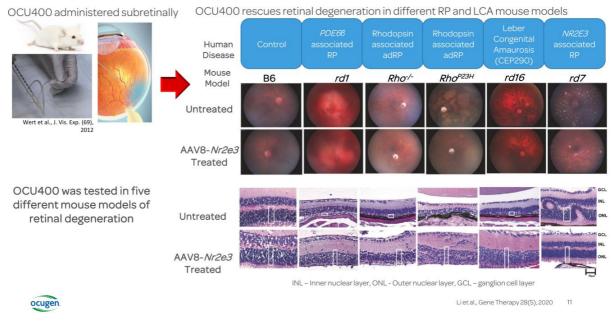
Protection elicited in multiple animal models of degeneration caused by different mutations

https://www.nature.com/articles/s41434-020-0134-z

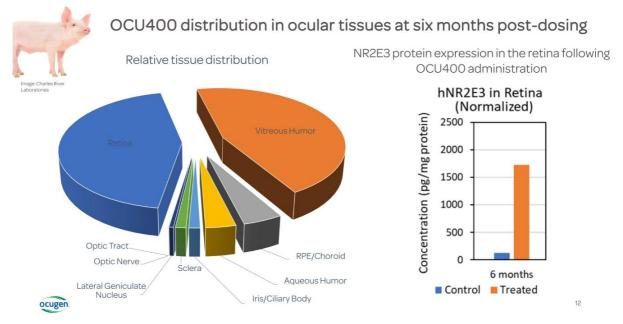


Potential to represent first broad-spectrum gene agnostic therapy and provide rescue even after disease onset

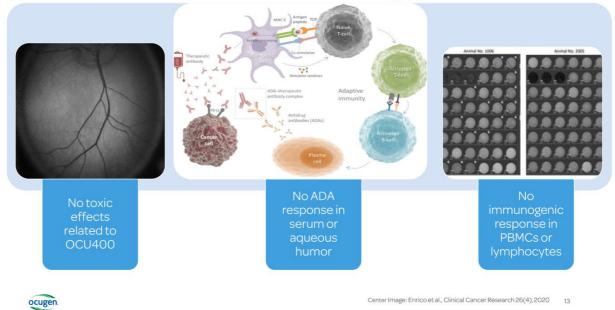
OCU400 Pharmacological Studies



OCU400 Biodistribution, Safety and Toxicity Studies

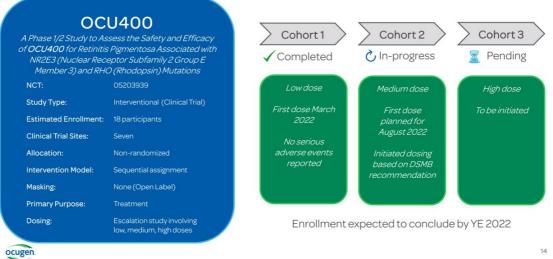


OCU400 Well Tolerated and Not Immunogenic



OCU400 Phase 1/2 Clinical Trial Progress

Just 30 days to receive FDA clearance for Phase 1/2 gene therapy clinical trial

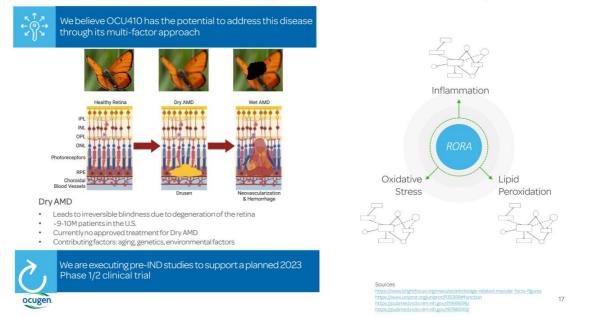


OCU400 Pathway to Phase 3 Clinical Trials





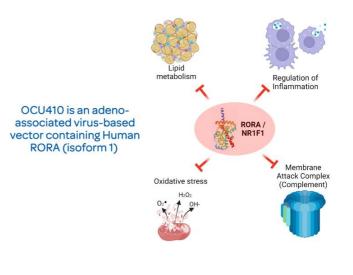
OCU410 (AAV-RORA) Dry Age-Related Macular Degeneration



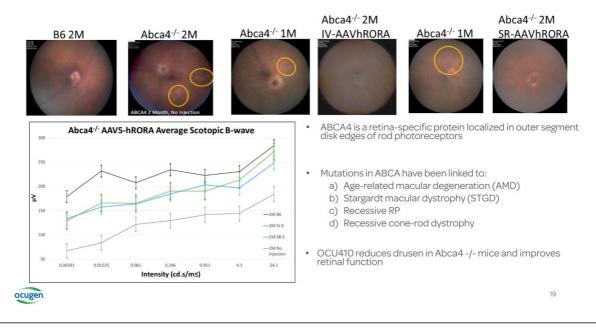
OCU410 (RORA) A Potential Modifier Therapeutic for Dry-AMD

- Genetic modifiers are genes like Nuclear Hormone Receptors (NHR) that can:
 - a) Significantly affect disease outcomes such as onset, rate of progression, and severity
 - b) Enhance or suppress disease phenotypes
 - c) Regulate cellular homeostasis
- The Retinoic Acid Related (RAR) Orphan Receptor Alpha (**RORA**) is a member of the NR1 subfamily of NHRs and regulates several gene networks

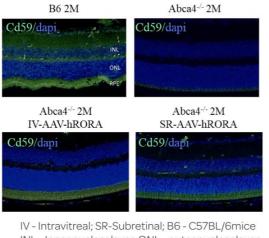
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OCU410 Reduces Drusen in Abca4 -/- Mice, Improves Function

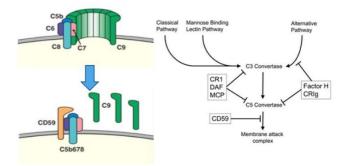


OCU410 Restores Cd59 Expression in Abca4-/- mice



INL - Inner nuclear layer, ONL - outer nuclear layer RPE – Retinal Pigment Epithelium

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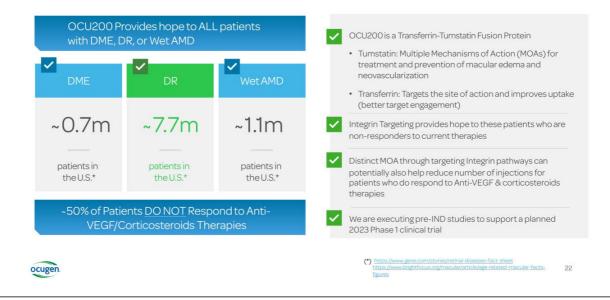
- Abca -/- mice show very low CD59 expression in their retinas
- CD59 prevents the formation of the complement membrane attack complex (MAC)
- OCU410 administered by intravitreal or subretinal routes
 restores CD59 expression in the RPE cells in the retina

OCU200

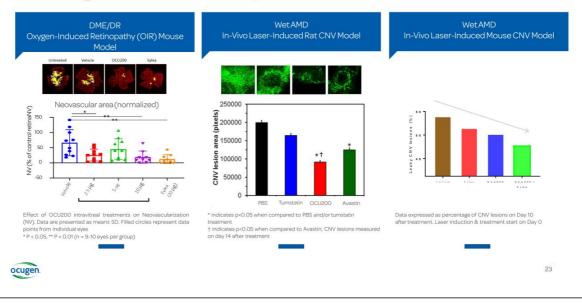
Novel biologic for treating Diabetic Macular Edema (DME), Diabetic Retinopathy (DR) and Wet Age-Related Macular Degeneration (Wet AMD)

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OCU200 Potential to Treat DME, DR & Wet AMD



OCU200 Demonstrated Superior Efficacy Compared to Existing Anti-VEGF Therapies



Ocugen[™]Vision

Fully integrated, patient-centric biotech company focused on vaccines in support of public health and gene and cell therapies targeting unmet medical needs through **Courageous Innovation**



